

**In The Claims**

The following is a complete listing of revised claims with a status identifier in parenthesis.

**LISTING OF CLAIMS**

1. (Canceled)

2. (Canceled)

3. (Canceled)

4. (Canceled)

5. (Canceled)

6. (Canceled)

7. (Canceled)

8. (Canceled)

9. (Canceled)

10. (Canceled)

11. (Canceled)

12. (Canceled)

13. (Canceled)

14. (Canceled)

15. (New) A method comprising the steps of:

demultiplexing a signal comprising pairs of wavelength division multiplexed optical signals, each pair comprising a non-inverted optical signal and an associated, separate inverted optical signal;

comparing a light intensity of each non-inverted signal to a light intensity of its associated inverted signal;

selecting the signal with the higher intensity; and

selecting a bit associated with the higher intensity as a received bit.

16. (New) The method as in claim 15 wherein the bit comprises a binary 1 or 0.

17. (New) The method as in claim 15, further comprising:

generating the wavelength division multiplexed optical signal comprising the pairs of optical signals.

18. (New) A system comprising a receiver operable to:

demultiplex a signal comprising pairs of wavelength division multiplexed optical signals, each pair comprising a non-inverted optical signal and an associated, separate inverted optical signal;

compare a light intensity of each non-inverted signal to a light intensity of its associated inverted signal;

select the signal with the higher intensity;

select a bit associated with higher intensity as a received bit.

19. (New) The system as in claim 18 wherein the bit comprises a binary 1 or 0.
20. (New) The system as in claim 18, further comprising a transmitter operable to: generate the wavelength division multiplexed optical signal comprising the pairs of optical signals.